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DATE: Thursday, June 10, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	L1 with (heat and chelat\$)	4
<input type="checkbox"/>	L1	amylase with (muta\$ or variant or hybrid)	1864

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20020123124 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 4

File: PGPB

Sep 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020123124

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020123124 A1

TITLE: Highly productive alpha-amylases

PUBLICATION-DATE: September 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Araki, Hiroyuki	Haga-gun		JP	
Endo, Keiji	Haga-gun		JP	
Hagihara, Hiroshi	Haga-gun		JP	
Igarashi, Kazuaki	Haga-gun		JP	
Hayashi, Yasuhiro	Haga-gun		JP	
Ozaki, Katsuya	Haga-gun		JP	

US-CL-CURRENT: [435/202](#); [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 6743616 B2

L2: Entry 2 of 4

File: USPT

Jun 1, 2004

US-PAT-NO: 6743616

DOCUMENT-IDENTIFIER: US 6743616 B2

TITLE: Highly productive alpha-amylases

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 3. Document ID: US 6486113 B1

L2: Entry 3 of 4

File: USPT

Nov 26, 2002

US-PAT-NO: 6486113

DOCUMENT-IDENTIFIER: US 6486113 B1

**** See image for Certificate of Correction ****

TITLE: Mutant .alpha.-amylases

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Da
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☐ 4. Document ID: EP 1065277 A1

L2: Entry 4 of 4

File: EPAB

Jan 3, 2001

PUB-NO: EP001065277A1

DOCUMENT-IDENTIFIER: EP 1065277 A1

TITLE: Mutant alpha-amylases

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Da
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	-----	----------

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Terms

Documents

L1 with (heat and chelat\$)

4

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and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/Caplus
NEWS 5 FEB 05 German (DE) application and patent publication number format
changes
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NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
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NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
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NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
available
NEWS 14 APR 26 LITALERT now available on STN
NEWS 15 APR 27 NLDB: New search and display fields available
NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May
and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004
Conference
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in Caplus
NEWS 23 May 27 Caplus super roles and document types searchable in REGISTRY
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
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AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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0.21

0.21

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=> s amylase with (muta? or variant or hybrid)
MISSING OPERATOR 'WITH (MUTA?)'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s amylase (5a) (muta? or variant or hybrid)
10 FILES SEARCHED...
L1 2780 AMYLASE (5A) (MUTA? OR VARIANT OR HYBRID)

=> s l1 and (heat and chelat?)
L2 6 L1 AND (HEAT AND CHELAT?)

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 3 DUP REM L2 (3 DUPLICATES REMOVED)

=> d 1-3

L3 ANSWER 1 OF 3 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2002-15685 BIOTECHDS
TI New ***mutant*** alpha- ***amylase***, useful in detergent
compositions, comprises increased productivity when prepared
recombinantly and better resistance to ***heat***;
recombinant enzyme protein production via plasmid expression in
bacterium cell, for surfactant composition and starch liquefaction
AU ARAKI H; HAGIHARI H; HAYASHI Y; ENDO K; IGARASHI K; OZAKI K
PA KAO CORP
PI EP 1199356 24 Apr 2002
AI EP 2000-123378 11 Oct 2000
PRAI JP 2000-310605 11 Oct 2000
DT Patent
LA English
OS WPI: 2002-354203 [39]

L3 ANSWER 2 OF 3 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2001-05257 BIOTECHDS
TI A gene encoding a ***mutant*** alpha- ***amylase*** obtained by
making replacement or deletions of amino acid residues in a
characteristic sequence;
involving recombinant vector plasmid pHSP-K38, plasmid

PHSP-LAMY-mediated gene transfer for expression in host cell

AU Endo K; Igarashi K; Hayashi Y; Hagihara H; Ozaki K
PA Kao
LO Tokyo, Japan.
PI EP 1065277 3 Jan 2001
AI EP 2000-111911 13 Jun 2000
PRAI JP 1999-163569 10 Jun 1999
DT Patent
LA English
OS WPI: 2001-073344 [09]

L3 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:548646 HCAPLUS
DN 127:189671
TI Biotechnology in detergents and cosmetics
AU Ito, Susumu
CS Tochigi Res. Lab., Kao Corp., Tochigi, 321-34, Japan
SO Baioisaiensu to Indasutori (1997), 55(8), 541-545
CODEN: BIDSE6; ISSN: 0914-8981
PB Baioindasutori Kyokai
DT Journal; General Review
LA Japanese

=> dis his

(FILE 'HOME' ENTERED AT 22:28:32 ON 10 JUN 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 22:28:51 ON 10 JUN 2004
L1 2780 S AMYLASE (5A) (MUTA? OR VARIANT OR HYBRID)
L2 6 S L1 AND (HEAT AND CHELAT?)
L3 3 DUP REM L2 (3 DUPLICATES REMOVED)

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

20.20

20.41

SESSION WILL BE HELD FOR 60 MINUTES

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